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A colon after initial designates the most common given name, as: A: Augustus; B: Benjamin; C: Charles; D: David; E: Edward; F: Frederic; G: George; H: Henry; I: Isaac; J: John; K: Karl; L: Louis; M: Mark; N: Nicholas; O: Otto; P: Peter; R: Richard; S: Samuel; T: Thomas; W: William. The initials at the end of each record, or note, are those of the recorder.

Corrections of errors and notices of omissions are solicited.

Bassett, Homer Franklin. To American naturalists. Waterbury, Conn., [Author], 1 Mch. 1877. 2 p., 26 X 21.

Request for contributions of specimens of galls, directions for collecting and transporting galls, information about galls. B: P. M. (3354)

Bassett, Homer Franklin. Descriptions of several new species of *Cynips*, and a new species of *diastrophus*. (Proc. entom. soc. Philad., Dec. 1864, v. 3, p. 679-691.)

Describes galls and imagos of *Cynips quercus-formosa*, *C. q. ventricosa*, *C. q. ilicifoliae*, *C. q. majalis*, *C. q. scitula*, *C. q. similis*, *C. q. hirta*, and *diastrophus potentillae*, all new species, and galls of *C. q. frondosa* and *C. q. decidua*, both new species, of which the imagos are unknown; describes imagos of *C. q. batatas* and *C. q. tuber*, and includes description by C. R. Osten Sacken of imago of *C. q. strobilana*; gives biological notes on most of these species; *C. q. singularis* = *C. q. nubilipennis*. B: P. M. (3355)

[**Bassett, Homer Franklin.**] List of North American *Cynipidae*. (Amer. nat., Mch. [24 Feb.] 1882, v. 16, p. 246.) (RILEY, C: V. Entomology . . . [Mch. 1882], p. 246.)

Rev., by H. F. Bassett, entitled "Arrangement of N. A. *Cynipidae* by Dr. Mayr." (*op. cit.*, Apr. [22 Mch.] 1882, p. 329-330.)

List of North American *Cynipidae* as generically arranged by Dr. G. L. Mayr, of Vienna, comprises 13 genera (including 1 subgenus) and 52 species. B: P. M. (3356)

Bassett, Homer Franklin. New species of *Cynipidae*. (Can. entom., Mch. 1881, v. 13, p. 51-57.)

Rev., [by C: V. Riley], entitled "Galls and gall-insects." (Amer. nat., May [16 Apr.] 1881, v. 15, p. 402-403.) (RILEY, C: V. Entomology . . . [May 1881], p. 402-403.)

Descriptions of galls and imagos of *Cynips quercus-californica*, *C. q. agrifoliae*, *C. q. suttonii* and *C. q. nubila*, all new species. B: P. M. (3357)

Brandt, Eduard K. Recherches anatomiques et morphologiques sur le système nerveux des insectes hyménoptères, hymenoptera. Comptes rendus de l'acad. des sci. de France. 18 Sep. 1876, v. 83, p. 613-616.)

Separate. [Paris, 1876.] 4 p., 28.5 X 23, t 19 X 12.7.

Eng. transl., entitled, "Anatomical and morphological researches on the nervous system of hymenopterous insects." (Annals and mag. nat. hist., Dec. 1876, s. 4, v. 18, p. 504-506.) [PSYCHE, Rec., no. 874.]

Study relating to 78 species in the adult stage and 22 larvae. The metamorphoses have been followed in 15 species. Describes the characters of the nervous system in the adult and the larvae and proves that the metamorphosis is accompanied by a coalescence of ganglia. (H. A. R. (3358))

See also the analysis in PSYCHE, Rec., no. 874.

C[laypole] E[:] W[aller]. The Colorado beetle. (Can. entom., May 1881, v. 13, p. 115.)

Extract from Bristol [Eng.] *mercury*, noting a fine of £5 imposed, in England, for having a living Colorado beetle [*doryphora decemlineata*]. G: D. (3359)

Collier, P: Report of the chemist. (Ann. rept. [U. S.] commiss. agric., for 1878, [22 Nov?] 1879, p. 95-156.)

Contains statements (p. 96, 97) that analyses had been made of the white covering of the eggs of *Corydalis cornutus*, of so-called bomic acid, and of London purple as a substitute for Paris green as an insecticide; (p. 134, 144) statements of results of these analyses. B: P. M. (3360)

Extraordinary cure. (Amer. museum . . . M. Carey, Aug. 1887, v. 2, no. 2, p. 178-179.)

Issue of 42 worms from the ulcerated wounds of a boy who had been impaled on a hay fork. B: P. M. (3361)

Farn, A. B. On the diseases of lepidopterous larvae. (Entomologist, April 1882, v. 15, p. 73-75.)

Notes from Pasteur, about the diseases called "pebrine" and "flacherie." G: D. (3362)

- Fauvel, Albert.** Sub judice! Lettre à M. J. B. Géhin. (FAUVEL, A. Annuaire entomologique, 1880, p. 75-85.)
Extract, entitled, "Zum Kapitel der varietätenfabrikation." (Entom. nachrichten, 1 July 1880, jahrg. 6, p. 145-146.) [Rec., 2022.]
Criticizes the general naming of insects. *G: D.* (3303)
- Fitch, E: A.** External parasites of spiders. (Entomologist, Aug. 1882, v. 15, p. 169-175, 1 fig.)
Figures and describes *polysphincta tuberosa* in several stages; compilation from other authors on the subject. *G: D.* (3304)
- Fitch, E: A.** Fixity of tenure by a moth. (Entomologist, April 1882, v. 15, p. 91.)
Notes a *taeniocampa gothica* that occupied the same position on a window-frame for three days. *G: D.* (3305)
- Fowler, W. W.** Water-beetles guided to water by sight, and not by other senses. (Entomologist, Dec. 1883, v. 16, p. 286.)
Water-beetles mistake glass for water. *G: D.* (3306)
- French, G:** Hazen. A new variety of *catocala*. (Papilio, Dec. 1881, v. 1, p. 218-219.)
Describes as new *catocala robinsonii* var. *curvata*. *H: E.* (3307)
- Frey, Heinrich.** Jacob Boll, ein schweizer'scher naturforscher. (Mith. d. schweiz. entom. gesells., 1880, bd. 6, p. 47-51.)
Obituary notice of Jacob Boll, b. 29 May 1828, in canton Aargau, Switzerland; d. 29 Sep. 1880, in Wilbarger co., Texas. *S: H.* (3308)
- Frost, J.** Water-beetles and light reflected by glass. (Entomologist, Dec. 1883, v. 16, p. 286.)
Water-beetles mistake glass for water. Water-beetles possibly carry fish-spawn from one pond to another, thus stocking new ponds. *G: D.* (3309)
- Gardner, J. Starkie.** Moths attracted by falling water. (Nature, 9 March 1882, v. 25, p. 436, col. 1, 6 cm.) (Entomologist, Apr. 1882, v. 15, p. 96.)
Notice, [by C: V. Riley], with same title. (Amer. nat., Oct. [28 Sep.] 1882, v. 16, p. 826.) (RILEY, C: V. Entomology . . . [Oct. 1882], p. 826.)
Moths seen flying into the great horse-shoe falls near Ljósavatn, in Iceland, attracted by the gleaming of the water as by an artificial light. *G: D.* (3370)
- Gibbs, T., jr.** Hermaphrodite *lycaena alexis*. (Entomologist, April 1882, v. 15, p. 89.)
Record of capture of a hermaphrodite specimen of *lycaena alexis*. *G: D.* (3371)
- Giraud, Joseph Étienne and Alexandre Laboulbène.** Liste d'éclosions d'insectes observées par le Dr. Joseph-Etienne Giraud, member honoraire. Recueillie et annotée par M. le Dr. Alexandre Laboulbène. (Annal. soc. entom. France, 1877, 10 April 1878, s. 5, v. 7, p. 397-436.)
List of 788 hymenoptera and 1 coleopteron observed by Giraud to be parasites upon insects, with statement of the names of the respective insects from which each was obtained. *B: P. M.* (3372)
- Gray, Asa.** How flowers are fertilized. (Amer. agriculturist, 1876, v. 35: Jan., p. 22; Feb., p. 62; Apr., p. 142-143; May, p. 182; June, p. 222; July, p. 262; Aug., p. 303; Nov., p. 382-383; 1877, v. 36: Jan., p. 22-23; Feb., p. 62-63; Mar., p. 102; May, p. 182.)
A series of popular articles on cross and self-fertilization in flowering plants, including the part played by insects in effecting the former. *B: T.* (3373)
- [**Gray, Asa.**] Insectivorous plants, 1. (Nation [N. Y.], 2 Apr. 1874, v. 18, p. 216-217.)
Correction. (*op. cit.*, 6 Jan. 1876, v. 22, p. 12, note.)
A historical notice of the insectivorous habits of *dionaea*. *B: T.* (3374)
- [**Gray, Asa.**] Insectivorous plants, 2. Nation [N. Y.], 9 Apr. 1874, v. 18, p. 232-234.)
A historical notice of the insectivorous habits of *drosera* and *sarracenia*. *B: T.* (3375)
- Gray, Asa.** Insects and plant fertilization. (Amer. agriculturist, 1866, v. 25: May, p. 186-187; July, p. 257-258; Aug., p. 290-292; Sept., p. 324-325; Oct., p. 362; Nov., p. 400; Dec., p. 437.)
Discusses the pollination of a number of flowering plants, and the part played in it by insects. *B: T.* (3376)
- Haase, Erich.** Das respirationssystem der symphylen und chilopoden. (Zool. anzeiger, 8 Jan. 1883, jahrg. 6, p. 15-17.)
Anatomical investigations into the respiratory system of *symphyla* and *chilopoda*. *G: D.* (3377)
- Hagen, Hermann August.** A mystery in reference to *pronuba yuccasella*. (Can. entom., July 1880, v. 12, p. 128-129.)
Crit. rev., by C: V. Riley, entitled "Dr. Hagen's mystery." (Can. entom., Dec. 1880, v. 12, p. 263-264.)
Crit. rev., [by C: V. Riley], entitled "A mystery in reference to *pronuba yuccasella*." (Amer. entom., Dec. 1880, v. 3, n. s., v. 1, p. 293, 16 cm.)
Imagos of supposed *tegiticula yuccasella* obtained from larvae not agreeing with Riley's descriptions, and living in stems of *yucca filamentosa*; these imagos have maxillary palpi like those of *t. yuccasella*. [Later acknowledged to be imagos of *prodovus decipiens*, and not to have such maxillary palpi. *B: P. M.* (3378)

Harding, Martin J. Abnormalities in butterflies. (Entomologist, Nov. 1883, v. 16, p. 257-258.)

Effect of the attacks of ichneumon and of deficiency of food of larvae in producing deformed butterflies. *G. D.* (3379.)

Harding, Martin J. White admiral butterfly; curious abnormality. (Pract. nat., May 1883, v. 1, p. 58, 5 cm.)

A bred specimen of *limenitis sibilla* destitute of the right hind wing. *G. D.* (3380.)

Hayward, Roland. A note on *acmaeodera culta*. (Quart. Journ. Bost. zool. soc., Oct. 1883, v. 2, p. 56.)

Acmaeodera culta common on flowers of *hypoxys erecta*. *G. D.* (3381.)

Hayward, Roland. Rare lepidoptera around Boston during the past summer. (Quart. Journ. Bost. zool. soc., Oct. 1883, v. 2, p. 56.)

Notes on *euploia claudia* and *papilio cresphontes* from eastern Massachusetts. *G. D.* (3382.)

Hellins, J. On the colouring matter, &c., of cocoons of some of the silk-spinning lepidoptera. (Entom. mo. mag., April 1882, v. 18, p. 260-261.)

Discusses the nature of certain substances discharged by silk-producing caterpillars from their anus when spinning their cocoon and used by them to line the cocoon. *G. D.* (3383.)

Hellins, J. *Ichneumonidae* infesting larvae of *gyrinus notator*. (Entom. mo. mag., Sept. 1881, v. 18, p. 88-89.)

Two species of *hemiteles*, a *pezomachus* and a *pteronotus* reared from pupae of *gyrinus notator*. *G. D.* (3384.)

Hellins, J. On the variable number of moults in larvae from the same batch of eggs. (Entom. mo. mag., Sept. 1881, v. 18, p. 86.)

Records larvae of *orgyia antiqua* that molted three, four, and five times. *G. D.* (3385.)

Hoffmeister, August W. [Notes on lepidoptera.] (Can. entom., Sept. 1881, v. 13, p. 196.)

Occurrence and food-plants of *melitaea phaton* and notes on a few other lepidoptera, observed at Fort Madison, Lee Co., Iowa, in 1881. *A. K. D.* (3386.)

Horn, G. H. [Remarks on the species of *cicindela* of the United States.] (Trans. Amer. entom. soc., 1867, v. 1; Record of the meetings, p. 2-3.)

Variations in color and structure of species of *cicindela*; criteria of specific characters in this genus; large series needed for the study of the species. *B. P. M.* (3387.)

Jaworowski, Anton. Vorläufige resultate entwickelungsgeschichtlicher und anatomischer untersuchungen über den eierstock bei *chironomus* und einigen anderen insecten. (Zool. anzeiger, 11 Dec. 1882, Jahrg. 5, p. 653-657.)

Development of the ovaries of *chironomus* and conclusions based thereon. *G. D.* (3388.)

Jenkyns, M. S. Lepidopterous larvae and yellow flowers. (Entomologist, Jan. 1883, v. 16, p. 23.)

Partiality of larva of *heliothis armigera* and of two other lepidoptera for yellow flowers; cannibalism of larva of *h. armigera*. *G. D.* (3389.)

Jenkyns, M. S. *Vanessa urticae*. Entomologist, Jan. 1883, v. 16, p. 13-14.)

Records variation in the colors of the pupae of *vanessa urticae* and asks its causes. *G. D.* (3390.)

Jones, E. H. Abnormal larva of *melanippe montanata*. (Entomologist, June 1883, v. 16, p. 121, fig.)

Notice, in [C. V. Riley's] "Rare monstrosities" (Amer. nat., Nov. [10 Oct.] 1883, v. 17, p. 1175.)

Figures and describes a larva of *melanippe montanata* with developed antennae of the imago. *G. D.* (3391.)

Jones, E. H. Hermaphrodite *orgyia pudibunda*. Entomologist, June 1883, v. 16, p. 135.)

A hermaphrodite *orgyia pudibunda*, with antennae and wings of the male, and body of the female, deposited infertile eggs. *G. D.* (3392.)

Jousset de Bellesme.— Experimental researches on the phosphorescence of the glowworm. (Annals and mag. nat. hist., April 1880, s. 5, v. 5, p. 345-347.)

Eng. tr. of—Jousset de Bellesme's "Recherches expérimentales sur la phosphorescence du lampyre" (Comptes rendus acad. sci. France, 16 Feb. 1880, v. 90, p. 318-321) [Rec., 3394]. *G. D.* (3393.)

Jousset de Bellesme.— Recherches expérimentales sur la phosphorescence du lampyre. (Comptes rendus acad. sci. France, 16 Feb. 1880, v. 90, p. 318-321.)

Abstract. (Rev. scientifique, 28 Feb. 1880, an. 9, p. 835, 13 cm.)

Eng. tr., entitled "Experimental researches on the phosphorescence of the glowworm." (Annals and mag. nat. hist., Apr. 1880, s. 5, v. 5, p. 345-347.)

The presence of oxygen is indispensable to the action of the luminous apparatus of *lampyris*. Every agent which kills the cells immediately arrests the phosphorescence. This appears to be due to the production by the protoplasm under the influence of the will of a phosphorescent substance, probably hydrogen phosphate. *H. A. R.* (3394.)

Joussot de Bellesme.— Sur une fonction de direction dans le vol des insectes. Comptes rendus acad. sci. France, 8 Dec. 1879, v. 89, p. 980-983.

Review? "Guide du natural., an. 2, p. 12-13."

Extract. (Rev. scientifique, 20 Dec. 1879, an. 9, p. 597-598, 12 cm.)

Description of the mode in which the different orders of insects direct their flight; comparison with the mode of directing flight in birds. It is not the wings, but other parts of the body, which displace the centre of gravity. *G: D.* (3395)

Mik, Josef. Ueber das präpariren der dipteren [Rec., 2335].

Reprint. Entom. nachrichten, July 1881, Jahrg. 7, p. 189-206.)

Notice, [by C: V. Riley], entitled "Preparation of diptera." (Amer. nat., [3] Dec. 1881, v. 15, p. 1008.) (RILEY, C: V. Entomology . . . [Dec. 1881], p. 1008.)

Dutch tr. with additions, by F. M. van der Wulp. Entitled "Over het prepareren van diptera. Naar het hoogduitsch van Josef Mik. (Tijdschr. voor entom., Jahrg. 1881-1882, deel 25, p. xci-cix, il.

B: P. M. (3399)

Möller, G. Fr. Bidrag till kännedomen om parasitlivet i galläpplen och dylika bildningar. (Entom. tidskr., 1882, årg. 3, p. 182-186.)

Engl. tr., by B: P. Mann, entitled "Contribution to the knowledge of parasitic life in galls." (Psyche, Sept.-Oct. [16 Nov.] 1883, v. 4, p. 89-91.)

Lists of insects other than the gall-makers raised from galls of several species of *Cynipidae*, in Sweden.

B: P. M. (3397)

Osten Sacken, C: Robert. Biological notes on diptera, Article 2nd. (Trans. amer. entom. soc., Mch. 1870, v. 3, p. 51-54.)

Additions and correction in author's "Biological notes on diptera, article 3d" (*op. cit.*, Dec. 1871), p. 347.

Describes gall and imago of *Asphondylia rudbeckiae-conspicua* n. sp., comparing them with related species, and describes galls and larvae of the new species *Cecidomyia sambuci-umbellicola*, *C. curvae-nucicola*, *C. tiliae citrina* and *C. quercus majalis*; *Callinome advena*? parasitic on the *Asphondylia*. *B: P. M.* (3398)

Osten Sacken, C: Robert. Biological notes on diptera, article 3d. (Trans. amer. entom. soc., Dec. 1871, v. 3, p. 345-347.)

Describes imago, abode and transformations of *Diptera resulicola* n. sp., and gall of *Cecidomyia versicolorata* n. sp.; seasons of *Asphondylia monacha*; further note on *Cecidomyia sambuci-umbellicola*.

B: P. M. (3400)

Osten Sacken, C: Robert. Biological notes on diptera. Galls on *Solidago*. (Trans. amer. entom. soc., Mch. 1869, v. 2, p. 299-303.)

Enumeration and synopsis of North American dipterous galls on *Solidago*; description of galls and imagos of *Asphondylia monacha* and *Cecidomyia anthophila*, both new species, and of gall of *Trypeta polita*, all on *Solidago*, with biological notes; generic characters of *Asphondylia*. *B: P. M.* (3400)

Osten Sacken, C: Robert. *Lasioptera* reared from a gall on the golden-rod. (Proc. entom. soc. Philad., Feb. 1863, v. 1, p. 368-370.)

Supplementary note, by author, entitled "*Lasioptera solidaginis* and *Trypeta solidaginis*." (*op. cit.*, July 1863, v. 2, p. 77.)

Description of galls of *Trypeta solidaginis* and *Euryptychia saligenana*, and of evidences of the presence of other insects in these galls; "does *Lasioptera* produce a gall for itself?"; description of imagos of *Lasioptera solidaginis* reared from galls of the *Euryptychia*.

B: P. M. (3401)

Riley, C: Valentine. Chinch bug notes. Rept. [U. S.] commiss. agric., for 1881

and 1882, 1882 [Jan. 1883], p. 87-89.) (RILEY, C: V. Report of the entomologist . . . [1 Dec.] 1882, p. 87-89 [27-29].)

Verification of Cyrus Thomas' predictions in relation to the ravages of *Blissus leucopterus* in 1881 and 1882; extracts from correspondence reporting the abundance of this insect early in 1882; letter from J. G. Barlow on the weather and the ravages of the *Blissus* in Washington county, Missouri, in 1882; irrigation, cremation and other means against these insects.

B: P. M. (3402)

Riley, C: Valentine. Gall-insects. Johnson's new universal cyclop., 1876, v. 2 v. p. 412-416. [16] fig.)

Definition of term "gall-insects;" classification and habits of these insects, mentioning by name and giving figures of typical species and the galls made by them. Dimorphism and metagenesis of *Cynips*.

B: P. M. (3403)

[Riley, C: Valentine.] Preparation of diptera. (Amer. nat., [3] Dec. 1881, v. 15, p. 1008.) (RILEY, C: V. Entomology . . . [Dec. 1881], p. 1008.)

Notice of J. Mik's "Ueber das präpariren der dipteren" (Verh. k. k. zool. bot. ges. Wien, Jahrg. 1880, bd. 30, p. 350-378) (Entom. nachr., July 1881, Jahrg. 7, p. 189-200) [Rec., 2335 and 3399].

B: P. M. (3404)

VAN DER WULP, F. M. Over het prepareren van diptera. Naar het hoogduitsch van Josef Mik. Tijdschr. voor entom., Jahrg. 1881-1882, deel 25, p. xci-cix. (il.)

Transl., with additions, of Mik's "Ueber das präpariren der dipteren" (Verh. k. k. zool.-bot. ges. Wien, Jahrg. 1880, bd. 30, p. 350-378) (Entom. nachrichten, July 1881, Jahrg. 7, p. 189-200) [Rec., 2335 and 3399].

S: H: W. (3405)